

Appendix K

SELF- MONITORING REPORT

May 2004

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2004 JUN 22 P 1:06

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Glen Peterson
Interim Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

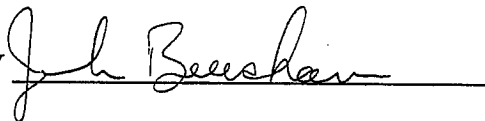
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR MAY 2004 REPORT DUE JUNE 2004

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

1. CBOD (Carbonaceous Biochemical Oxygen Demand) Concentration and Mass loading limits were exceeded during May 2004. These violations are summarized:

CBOD Concentration Limits Violations: The Daily Maximum Limit of 45 mg/l was exceeded on May 3, 4, 5, 6, 9, 10, 13, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, & 31 (19 of 22 values). The Weekly Average Limit of 40 mg/l was exceeded May 5, 6, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, & 31 (19 of 22 values). The Monthly Average Limits of 25 mg/l was exceeded on May 6, 9, 10, 13, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, & 31 (18 of 22 values).

CBOD Mass Loading Limit Violations: The Daily Maximum Limit of 6200 lbs/day was exceeded on May 3, 4, 19, 20, 23, 24, 25, 26, 27, 30 & 31 (11 of 22 values). The Weekly Average Limit of 5500 lbs/day was exceeded on May 6, 9, 10, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30 & 31 (14 of 22 values). The Monthly Average Limit of 3400 lbs/day was exceeded on May 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30 & 31 (17 of 22 values).

2. TSS (Total Suspended Solids) Concentration and Mass Loading were exceeded during May 2004. These violations are summarized:

TSS Concentration Limits Violations: The Daily Maximum Limit of 50 mg/l was exceeded on May 5, 7, 24, 25, 26, & 31 (6 of 31 values). The Weekly Average Limit of 45 mg/l was exceeded May 9, 24, 25, 26, 27, 30, & 31 (9 of 31 values). The Monthly Average Limits of 30 mg/l was exceeded on May 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, & 31 (16 of 31 values).

TSS Mass Loading Limit Violations: The Daily Maximum Limit of 6900 lbs/day was exceeded on May 26 & 31 (2 of 31 values). The Monthly Average Limit of 4100 lbs/day was exceeded on May 24, 25, 26, 27, 30 & 31 (8 of 31 values).

3. Acute Toxicity Limit Violation: The Monthly Average Limit of 1.5 TUa was exceeded on May 26, 2004.

Note: Sample taken at Surf Zone Monitoring Station S-7 collected on May 25, 2004 high total and fecal coliforms were seen due to the holiday weekend and high use at the campground. The health department was notified and the following result was back to normal.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

As reported to Bryan Ott the HARRF had an incident that caused violations on the May Monthly Monitoring Reports.

On April 17, 2004 the treatment process at the HARRF experienced a major setback. An unidentified toxin entered the activated process.

On April 24th wasting increased to remove toxin from activated system

On April 25th and May 1st similar toxic loads hit the plant. We experienced the same process indicators and results as the week prior. After the third weekend of problems the weakened process was unable to recover. At this time the aeration tanks turned black and septic. Secondary settling was poor, turbidity increased along with odors.

On April 27th Wasting returned to normal plant WAS rate. Daily addition of Vermatek enzyme product to aeration basin began (50 lbs/day).

On May 1st Sampling was setup by the Industrial Waste Inspectors on possible sources of pollutants from May 1st and 2nd showed a spike in Metheylene Chloride, Chloroform, chromium Copper and lead entering the plant.

On May 10th Ceased wasting to build Biomass

On May 11th Wasting resumed due high presence of septic sludge MLSS 400 ml/L

On May 12th Imported 30,000 gals of "seed" sludge from Fallbrook

- On May 13th No noted improvement "seed" sludge dead, increased wasting. Addition of 100 lbs per day of Vermatek enzyme product into collection system for 7 days.
- On May 14th Increased Dissolved Oxygen residual to 2.0 mg/L
- On May 15th Educational article in local paper on problem and effect of toxic dumping
- On May 18th Seven day sampling program was initiated on the four (4) main trunk lines (4104, 4102, 4018 and 11449) leading to the HARRF. Trunk line #4104 & 4102 showed the highest levels of toxicity. Manhole 4104 on May 18 and 19 showed spike of Methylene Chloride and ¾- Methylphenol. Manhole 4102 on May 18 and 19 showed spike of copper.
- On May 19th Centrifuge sludge sample was sent to identify toxic pass through. Sludge had found Acteone, MEK, Carbondisulfide, 1, 4-Dichlorobenze, p-Isopropyltoluene and Methylene chloride.
- On May 20th Delivered sample of MLSS and Primary Effluent to Dr. Jenkins
- On May 20th Ferric Chloride resumed in Influent Pump Station (IPS)
- On May 20th Additional 30,000 of "seed" sludge from Fallbrook
- On May 24th Curtailed decanting of Storm Drain Vactor water into collection system
- On May 24th Resumed addition of Sodium Hypochlorite to RAS
- On May 25th Ceased Ferric Chloride addition - changed to Sodium Hypochlorite
- On May 27th Began addition of Ferric Chloride to Mixed Liquor Effluent as secondary settling aid.
- On May 28th Changed application point of Sodium Hypochlorite from IPS to Primary Influent
- On June 4th Began four (4) day sampling on next area of collection system
- On June 8th Operational control of plant solids(MLSS) has occurred and indicated that we were on the right path to recovery. More indicator organisms are present in the MLSS samples. Odor has decreased noticeably.

At present, we have initiated more sampling and increased the frequency of Acute Toxicity monitoring to weekly testing. We are continuing to investigate the circumstances, cause and resolution of above described noncompliance. Updates will be provided.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery FacilityORDER/RESOLUTION No.99-72REPORT FREQUENCY MONTHLYREPORT FOR :May 2004REPORT DUE : June 2004EXACT SAMPLE POINT: Effluent Sampling StationSAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Updegrat

NOTE: Standard Methods Procedure 507 Oxygen Demand (Biochemical), 5e6 for nitrification inhibition used to determine BOD.

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (Daily 24 hr. Comp.)						
DATE	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Req't.	25	40	45	3400	5500	6200
5/1/2004	-	-	-	-	-	-
2	19.6	31.3	43.8	2358	3750	5224
3	21.5	35.6	60.4	2579	4248	7203
4	23.3	38.3	56.2	2794	4563	6656
5	24.7	44.6	47.4	2952	5284	5534
6	26.5	52.0	52.0	3148	6094	5855
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	29.2	52.9	48.7	3455	6130	5402
10	30.1	50.6	48.5	3545	5773	5420
11	31.5	47.4	40.3	3702	5336	4470
12	32.9	45.9	40.2	3849	5148	4593
13	34.6	44.9	47.0	4043	5059	5409
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	38.4	47.8	63.0	4492	5450	7356
17	39.5	50.7	63.0	4615	5805	7198
18	41.5	55.5	64.3	4817	6327	7079
19	42.3	59.2	58.5	4895	6745	6684
20	43.8	61.8	60.3	5062	7021	6789
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	47.3	62.2	64.9	5455	7033	7415
24	48.8	65.5	79.3	5619	7406	9061
25	50.6	65.1	62.3	5815	7403	7066
26	52.2	68.1	73.7	5978	7726	8298
27	53.2	69.0	64.7	6076	7814	7231
28	-	-	-	-	-	-
29	-	-	-	-	-	-
30	57.3	69.2	65.8	6525	7747	7079
31	*	*	*	*	*	*
Average	37.6	53.2	57.3	4370	6089	6525
Maximum	57.3	69.2	79.3	6525	7814	9061
Minimum	19.6	31.3	5.4	2358	3750	4470
Std. Deviation	11.37	11.17	10.60	1257	1205	1189

* QC standard check of BOD is out of range.

MONDAY TO FRIDAY

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR : May 2004

REPORT DUE : June 2004

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Wipetapet

TOTAL SUSPENDED SOLID (DAILY 24 HR . COMPOSITE)						
Date	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Req.	30	45	50	4100	6200	6900
5/1/2004	17.6	24.2	22.5	2116	2904	2721
2	18.2	26.5	32.7	2183	3177	3900
3	18.8	26.8	34.7	2246	3197	4138
4	19.5	26.8	42.2	2332	3189	4998
5	20.6	32.2	54.4 ✓	2453	3820	6352
6	21.7	36.4	46.0	2577	4276	5179
7	23.1	40.9	53.6 ✓	2735	4748	5945
8	24.3	44.0	44.4	2868	5068	4962
9	25.5	45.4	42.8	2992	5189	4747
10	26.1	44.9	31.2	3059	5096	3487
11	26.7	43.8	34.0	3125	4921	3771
12	27.1	40.5	31.3	3164	4524	3576
13	28.1	40.0	42.7	3277	4486	4914
14	28.7	36.0	25.8	3339	4055	2926
15	29.5	34.2	31.4	3432	3866	3640
16	30.2	32.6	31.8	3522	3718	3713
17	31.0 ✓	33.0	34.2	3603	3778	3908
18	31.8 ✓	35.0	47.6	3684	3988	5240
19	32.2	36.8	44.3	3721	4200	5062
20	32.8	36.3	38.8	3788	4122	4368
21	33.7	38.5	41.6	3883	4383	4753
22	34.6	40.1	42.4	3984	4556	4845
23	35.5	42.4	47.6	4088	4802	5439
24	36.9	46.4 ✓	62.6 ✓	4245 ✓	5266	7153 ✓
25	38.2	47.3 ✓	53.6 ✓	4381 ✓	5386	6080
26	39.4	50.9 ✓	70.0 ✓	4511 ✓	5788	7881 ✓
27	39.6	52.4 ✓	48.8	4524	5943	5454
28	40.5 ✓	52.5 ✓	42.2	4616	5933	4681
29	41.3	52.2 ✓	40.8	4702	5897	4594
30	41.9	51.4 ✓	41.5	4763	5758	4465
31	43.3 ✓	51.5 ✓	63.4 ✓	4916 ✓	5779	7297 ✓
Average	30.3	39.7	42.6	3511	4575	4845
Maximum	43.3	52.5	70.0	4916	5943	7881
Minimum	17.6	24.2	22.5	2116	2904	2721
Std. Deviation	7.65	8.33	10.93	835	897	1224

Discharger: Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO107981

Order No. 99-72

Report For: May 2004

Report Due: June 30, 2004

Signed Under Penalty of Perjury: Vasam Upet

Parameter	TSS				CBOD			
	HARRF Influent mg/l	HARRF Effluent mg/l	Daily TSS % Removal	30 Day Ave. % Removal	HARRF Influent mg/l	HARRF Effluent mg/l	Daily CBOD % Removal	30 Day Ave. % Removal
1-May-04	241	22.5	90.7%	92.9%				
2	255	32.7	87.2%	92.7%	227	43.8	80.7%	91.4%
3	265	34.7	86.9%	92.5%	234	60.4	74.2%	90.6%
4	269	42.2	84.3%	92.2%	251	56.2	77.6%	89.9%
5	282	54.4	80.7%	91.8%	328	47.4	85.5%	89.6%
6	253	46.0	81.8%	91.3%	298	52.0	82.6%	89.0%
7	239	53.6	77.6%	90.7%				
8	221	44.4	79.9%	90.1%				
9	265	42.8	83.8%	89.7%	273	48.7	82.2%	88.0%
10	519	31.2	94.0%	89.6%	318	48.5	84.7%	87.8%
11	266	34.0	87.2%	89.4%	236	40.3	82.9%	87.2%
12	356	31.3	91.2%	89.3%	281	40.2	85.7%	86.8%
13	311	42.7	86.3%	89.1%	345	47.0	86.4%	86.4%
14	366	25.8	93.0%	88.9%				
15	326	31.4	90.4%	88.7%				
16	605	31.8	94.7%	88.6%	356	63.0	82.3%	85.2%
17	336	34.2	89.8%	88.5%	286	63.0	78.0%	84.9%
18	422	47.6	88.7%	88.4%	320	64.3	79.9%	84.5%
19	407	44.3	89.1%	88.5%	352	58.5	83.4%	84.6%
20	302	38.8	87.2%	88.3%	284	60.3	78.8%	84.0%
21	345	41.6	87.9%	88.1%				
22	316	42.4	86.6%	87.9%				
23	337	47.6	85.9%	87.8%	302	64.9	78.5%	82.8%
24	343	62.6	81.7%	87.5%	315	79.3	74.8%	82.5%
25	299	53.6	82.1%	87.2%	267	62.3	76.7%	82.0%
26	532	70	86.8%	87.1%	364	73.7	79.8%	81.9%
27	271	48.8	82.0%	87.2%	292	64.7	77.8%	81.8%
28	408	42.2	89.7%	87.0%				
29	297	40.8	86.3%	86.8%				
30	270	41.5	84.6%	86.6%	296	65.8	77.8%	80.5%
31	314	63.4	79.8%	86.2%				
Average	330	42.6	86.4%	89.1%	296	57.3	80.5%	85.8%

SELF- MONITORING REPORT

June 2004

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A handwritten signature in cursive script, appearing to read "Glen Peterson", is written over a horizontal line.

Glen Peterson
Interim Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

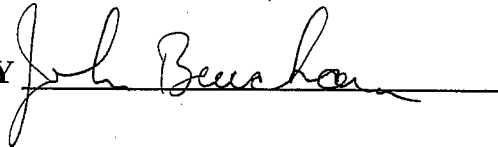
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR JUNE 2004 REPORT DUE JULY 2004

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

1. CBOD (Carbonaceous Biochemical Oxygen Demand) Concentration and Mass loading limits were exceeding during June 2004. These violations are summarized:

CBOD Concentration Limits Violations: The Daily Maximum Limit of 45 mg/l was exceeded on June 1, 2, 3, 6, 13, & 27 (6 of 22 values). The Weekly Average Limit of 40 mg/l was exceeded June 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 27, 28, 29, & 30 (22 of 22 values). The Monthly Average Limits of 25 mg/l was exceeded on June 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 27, 28, 29, & 30 (22 of 22 values).

CBOD Mass Loading Limit Violations: The Daily Maximum Limit of 6200 lbs/day was exceeded on June 13 (1of 22 values). The Weekly Average Limit of 5500 lbs/day was exceeded on June 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 27, 28, 29, & 30 (22 of 22 values). The Monthly Average Limit of 3400 lbs/day was exceeded on June 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 27, 28, 29, & 30 (22 of 22 values).

2. TSS (Total Suspended Solids) Concentration and Mass Loading were exceeded during May 2004. These violations are summarized:

TSS Concentration Limits Violations: The Daily Maximum Limit of 50 mg/l was exceeded on June 1 through 4 (4 of 30 values). The Weekly Average Limit of 45 mg/l was exceeded June 1 through 8 (8 of 30 values). The Monthly Average Limits of 30 mg/l was exceeded on June 1 through 30 (30 of 30 values).

TSS Mass Loading Limit Violations: The Daily Maximum Limit of 6900 lbs/day was exceeded on June 2 & 3 (2 of 30 values). The Weekly Average Limit of 6200 lbs/day was exceeded June 5 & 6 (2 of 30 values). The Monthly Average Limit of 4100 lbs/day was exceeded on June 1 through 29 (29 of 30 values).

3. Acute Toxicity Limit Violation: The Weekly Average limit of 2.0 was exceeded on June 22 & 29 The Monthly Average Limit of 1.5 TUa was exceeded on June 6, 9, 15, 22, 29 2004.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

As regards TSS, CBOD and Acute Toxicity violations recorded during June 2004, the following applies:

- On June 4th Began four (4) day sampling on next area of collection system
- On June 8th Operational control of plant solids (MLSS) has occurred and indicated that we were on the right path to recovery. More indicator organisms are present in the MLSS samples. Odor has decreased noticeably.
- June 11th Wasting rate was decreased in order increase the Biomass. This resulted in the process neither improving nor degrading.
- June 17th Noticeable increase in the number and type of microbes. More cilia and possible some stalk cilia. The process is showing signs of nitrification. Nitrates are present in the secondary effluent.
- June 18th Testing sulfides at the Primary Effluent. Aeration basin middle and Effluent. end in an attempt to control sulfides with Sodium Hypochlorite applied to the primary influent.
- June 21st Plant aeration basins are still dark and septic staff is maintaining solids inventory at 950 mg/l MLSS, wasting at 380 GPM
- June 23rd increased wasting to maintain target of 950 mg/l MLSS.
- June 24th Grease and oil appearing in micro source unknown.
- June 26th Micro slide shows increase in filamentous growth. Increased NaOCl to RAS.

June 30th Adjusted RAS valves at aeration basins to balance solids loading.

July 2nd Moved NaOCl application point from primary influent to Headwork's to improve mixing.

July 5th Increase in foam on aeration tanks with brown color returning to normal.

July 8th Increase in micro activity with decrease in filamentous organism.

July 11th Decreased NaOCl to RAS.

July 14th Decreased WAS last three days to try and maintain solids inventory. Reduced NaOCl to the Headwork's.

It should be noted that plant staff had to modify and/or add existing plumbing to accommodate the addition of Sodium Hypochlorite to the Primary Influent.

Process returning to normal conditions beginning the week of July 4th, 2004. Lab results show Turbidity was 50 NTU's during worst portion of upset. Now NTU is in the 20 range. TSS in the final Effluent is also down to 20 mg/L CBOD is down to 25/30 mg/L range.

Plant staff is making small changes to return the process to normal i.e. wasting and return rates, NaOCl dosages.

As of June 9, 2004 HARRF Effluent discharge recorded no violations of Daily Maximum Limits and Weekly Average for TSS and CBOD. We are maintaining an increased sampling and testing of Industrial Waste discharges, researching higher biomass capabilities, no acceptance of waste from an outside source, chemical additions, and plant operational procedures. Updates will be provided.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery FacilityORDER/RESOLUTION No.99-72REPORT FREQUENCY MONTHLYREPORT FOR :June 2004REPORT DUE : July 2004EXACT SAMPLE POINT: Effluent Sampling StationSAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

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Vance Updell

NOTE: Standard Methods Procedure 507 Oxygen Demand (Biochemical), 5e6 for nitrification inhibition used to determine BOD.

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (Daily 24 hr. Comp.)						
DATE	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Reqt.	25	40	45	3400	5500	6200
6/1/2004	57.8	64.3 ✓	52.9 ✓	6564	7163 ✓	6044
2	*	*	*	*	*	*
3	57.4	56.4 ✓	50.5 ✓	6483	6270 ✓	5686
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	57.8	50.9 ✓	49.4 ✓	6525	5805 ✓	5686
7	56.9	48.4 ✓	40.9	6437	5548 ✓	4775
8	56.7	46.3 ✓	44.2	6420	5299	5050
9	56.4	45.6 ✓	43.1	6391	5210	4853
10	56.1	42.5 ✓	34.8	6366	4868	3976
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	57.4	43.5 ✓	54.5 ✓	6515	5022	6454 ✓
14	56.6	43.7 ✓	41.9	6437	5059	4962
15	55.4	42.7 ✓	39.2	6297	4958	4544
16	54.4	42.6 ✓	42.8	6183	4973	4926
17	53.1	43.3 ✓	38.3	6049	5059	4408
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	51.8	40.7 ✓	41.2	5915	4744	4879
21	51.4	41.0 ✓	43.7	5873	4765	5066
22	50.0	40.6 ✓	36.8	5714	4703	4235
23	48.3	40.9 ✓	44.6	5518	4744	5133
24	47.3	41.8 ✓	42.5	5411	4848	4927
25	-	-	-	-	-	-
26	-	-	-	-	-	-
27	44.9	42.8 ✓	46.2 ✓	5152	4913	5202
28	44.8	42.7 ✓	43.4	5144	4898	4995
29	43.4	42.6 ✓	36.4	4998	4883	4159
30	43.0	40.8 ✓	35.4	4951	4660	4015
Average	52.4	45.0	43.0	5969	5161	4951
Maximum	57.8	64.3	54.5	6564	7163	6454
Minimum	43.0	40.6	5.4	4951	4660	3976
Std. Deviation	5.20	5.87	5.45	560	604	638

* QC standard check of BOD is out of range.
MONDAY TO FRIDAY

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR : June 2004

REPORT DUE : July 2004

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vacara Lipcsep

TOTAL SUSPENDED SOLID (DAILY 24 HR . COMPOSITE)						
Date	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Reqd.	30	45	50	4100	6200	6900
6/1/2004	43.9 ✓	51.3 ✓	52.5 ✓	4986 ✓	5767	5999
2	45.0 ✓	50.9 ✓	67.4 ✓	5102 ✓	5733	7645 ✓
3	45.8 ✓	53.3 ✓	65.3 ✓	5181 ✓	6005	7352 ✓
4	45.7 ✓	54.8 ✓	52.5 ✓	5165 ✓	6174	5867
5	45.8 ✓	56.0 ✓	49.3	5180 ✓	6322 ✓	5633
6	45.6 ✓	56.6 ✓	45.5	5156 ✓	6433 ✓	5237
7	45.2 ✓	52.1 ✓	32.4	5117 ✓	5931	3783
8	44.9 ✓	49.5 ✓	34.0	5088 ✓	5629	3885
9	45.0 ✓	45.0	35.8	5106 ✓	5112	4031
10	44.8 ✓	39.5	27.1	5084 ✓	4505	3096
11	45.1 ✓	37.7	39.6	5114 ✓	4308	4492
12	44.7 ✓	35.1	31.6	5074 ✓	4034	3716
13	45.4 ✓	35.4	47.2	5163 ✓	4085	5590
14	45.6 ✓	36.1	37.2	5189 ✓	4174	4406
15	45.7 ✓	36.1	34.0	5196 ✓	4182	3941
16	45.6 ✓	35.2	30.0	5181 ✓	4099	3453
17	45.0 ✓	35.7	30.6	5124 ✓	4160	3522
18	44.1 ✓	32.6	17.4	5021 ✓	3802	1988
19	43.5 ✓	31.1	21.2	4956 ✓	3615	2405
20	43.0 ✓	28.0	25.6	4899 ✓	3249	3032
21	42.6 ✓	27.1	30.6	4855 ✓	3127	3547
22	42.1	27.1	34.6	4807 ✓	3133	3982
23	41.0	26.8	27.6	4674 ✓	3093	3177
24	40.1	26.3	27.2	4577 ✓	3041	3153
25	38.6	27.2	23.8	4404 ✓	3142	2699
26	37.8	28.0	26.4	4322 ✓	3226	2994
27	37.4	28.7	30.8	4282 ✓	3289	3468
28	37.1	28.8	31.0	4247 ✓	3292	3568
29	36.6	27.6	26.4	4199 ✓	3154	3016
30	35.5	27.8	29.3	4067	3175	3323
Average	42.9	37.6	35.5	4884	4300	4067
Maximum	45.8	56.6	67.4	5196	6433	7645
Minimum	35.5	26.3	17.4	4067	3041	1988
Std. Deviation	3.29	10.53	12.11	357	1164	1367

Discharger: Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

Report For: June 2004

Report Due: July 30, 2004

Signed Under Penalty of Perjury: Vasa Upadhyay

Parameter	HARRF		Daily TSS % Removal %	TSS 30 Day Ave. % Removal %		HARRF Influent mg/l	HARRF		Daily CBOD % Removal %	CBOD 30 Day Ave. % Removal %	
	Influent mg/l	Effluent mg/l					Influent mg/l	Effluent mg/l			
1-Jun-04	335	52.5	84.3%	86.1%		313	52.9		83.1%	80.6%	
2	428	67.4	84.3%	86.1%							
3	297	65.3	78.0%	85.8%		270	50.5		81.3%	81.1%	
4	362	52.5	85.5%	86.0%							
5	270	49.3	81.7%	86.0%							
6	350	45.5	87.0%	86.3%		316	49.4		84.4%	81.0%	
7	461	32.4	93.0%	86.8%		239	40.9		82.9%	81.1%	
8	309	34.0	89.0%	86.9%		236	44.2		81.3%	81.0%	
9	345	35.8	89.6%	86.8%		261	43.1		83.5%	81.0%	
10	278	27.1	90.3%	86.9%		239	34.8		85.4%	81.1%	
11	416	39.6	90.5%	86.9%							
12	326	31.6	90.3%	87.0%							
13	372	47.2	87.3%	86.8%		285	54.5		80.9%	80.5%	
14	445	37.2	91.6%	86.8%		285	41.9		85.3%	80.8%	
15	327	34.0	89.6%	86.7%		273	39.2		85.6%	81.0%	
16	456	30.0	93.4%	86.8%		345	42.8		87.6%	81.4%	
17	500	30.6	93.9%	87.0%		266	38.3		85.6%	81.7%	
18	416	17.4	95.8%	87.2%							
19	339	21.2	93.7%	87.4%							
20	328	25.6	92.2%	87.6%		262	41.2		84.3%	81.9%	
21	385	30.6	92.1%	87.7%		319	43.7		86.3%	82.1%	
22	378	34.6	90.8%	87.9%		265	36.8		86.1%	82.5%	
23	370	27.6	92.5%	88.3%		271	44.6		83.5%	83.0%	
24	379	27.2	92.8%	88.6%		250	42.5		83.0%	83.3%	
25	353	23.8	93.3%	88.8%							
26	385	26.4	93.1%	89.2%							
27	362	30.8	91.5%	89.3%		273	46.2		83.1%	83.7%	
28	364	31	91.5%	89.4%		241	43.4		82.0%	83.6%	
29	418	26.4	93.7%	89.7%		248	36.4		85.3%	84.0%	
30	513	29.3	94.3%	90.2%		282	35.4		87.4%	84.2%	
Average	376	35.5	90.2%	87.4%		273	43.0		84.2%	81.9%	

2004 AUG 31 P 1:49

SELF- MONITORING REPORT

JULY 2004

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Glen Peterson
Interim Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

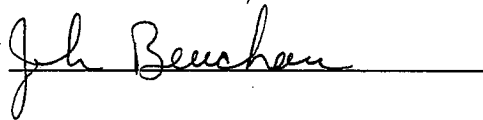
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR JULY 2004 REPORT DUE AUGUST 2004

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

1. CBOD (Carbonaceous Biochemical Oxygen Demand) Concentration and Mass loading limits were exceeding during July 2004. These violations are summarized:

CBOD Concentration Limits Violations: The Weekly Average Limit of 40 mg/l was exceeded on July 29 (1 of 23 values). The Monthly Average Limits of 25 mg/l was exceeded on July 1, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 27, 28, & 29 (23 of 23 values).

CBOD Mass Loading Limit Violations: The Monthly Average Limit of 3400 lbs/day was exceeded on July 1, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 27, 28, & 29 (23 of 23 values).

2. TSS (Total Suspended Solids) Concentration during July 2004. The Monthly Average Limits of 30 mg/l was exceeded on July 1st through 10th (10 of 31 values).

Note: San Elijo Joint Powers Authority reported high count for total and fecal coliforms at station S-5 on July 27, 2004. S.E.J.P.A. had notified to Health Department and resample on July 29. The results for total and fecal coliforms were less than 2. Health department believed it was just an anomaly and not a threat to the water quality of the beach.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

As regards Acute Toxicity violations recorded during July 2004, the results were compliant for limit requirements.

As regards TSS, CBOD recorded during July 2004, the following applies:

On July 11, 2004 HARRF effluent discharge is in compliance with Daily Maximum, Weekly Average, and Monthly Average.

As of the date of August 12, 2004, Quality of effluent discharge from the HARRF is excellent and is full compliance with NPDES Permit Discharge Limits.

Actions taken during July 2004 were normal operational adjustments to the treatment process and checking calibration and adjusting of monitoring instrumentation.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No.99-72

REPORT FREQUENCY MONTHLY

REPORT FOR :July 2004

REPORT DUE : August 2004

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vance Updegraff

NOTE: Standard Methods Procedure 507 Oxygen Demand (Biochemical), 5e6 for nitrification inhibition used to determine BOD.

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (Daily 24 hr. Comp.)						
DATE	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Req't.	25	40	45	3400	5500	6200
7/1/2004	42.1	39.2	34.8	4853 ✓	4469	3976
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	41.7	38.3	41.6	4792 ✓	4310	4406
5	41.6	37.5	39.1	4782 ✓	4224	4565
6	40.6	35.9	28.7	4675 ✓	4063	3351
7	40.0	34.2	26.9	4600 ✓	3883	3118
8	39.5	33.7	32.2	4539 ✓	3829	3706
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	39.4	32.7	36.4	4536 ✓	3792	4220
12	39.3	32.5	38.2	4531 ✓	3765	4428
13	38.4	33.4	33.4	4411 ✓	3858	3816
14	38.0	35.1	35.2	4368	4038	4022
15	37.6	34.5	29.2	4311	3955	3288
16	37.1	34.2	32.9	4253	3904	3649
17	37.0	34.4	35.3	4232	3910	3945
18	36.8	33.8	32.6	4208	3831	3670
19	36.9	33.8	37.8	4211	3811	4287
20	36.5	33.8	33.3	4163	3798	3721
21	36.0	33.2	31.2	4097	3721	3487
22	35.7	33.3	29.8	4059	3727	3330
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	35.1	34.1	38.2	3987	3832	4333
26	35.3	34.4	39.4	4008	3875	4502
27	35.2	36.6	44.2	3999	4126	4976
28	35.3	39.2	44.4	3999	4428	4999
29	35.4	41.3	40.2	4017	4681	4593
30	-	-	-	-	-	-
31	-	-	-	-	-	-
Average	37.9	35.2	35.4	4332	3993	4017
Maximum	42.1	41.3	44.4	4853	4681	4999
Minimum	35.1	32.5	5.4	3987	3721	3118
Std. Deviation	2.27	2.38	4.81	283	262	536

* QC standard check of BOD is out of range.
MONDAY TO FRIDAY

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR : July 2004

REPORT DUE : August 2004

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Updapat

TOTAL SUSPENDED SOLID (DAILY 24 HR . COMPOSITE)						
Date	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Req.	30	45	50	4100	6200	6900
7/1/2004	35.2	30.1	43.2	4031	3429	4936
2	34.3	32.6	41.2	3933	3716	4707
3	33.3	34.0	36.2	3826	3879	4136
4	32.5	33.5	27.1	3726	3794	2870
5	32.0	34.3	36.4	3680	3891	4250
6	31.3	33.9	23.6	3597	3854	2756
7	31.0	33.1	23.8	3563	3774	2759
8	30.6	30.1	22.4	3520	3437	2578
9	30.2	27.3	21.6	3468	3119	2486
10	30.1	26.0	26.8	3469	2975	3129
11	29.7	25.8	26.0	3420	2996	3014
12	29.5	24.2	25.4	3394	2809	2945
13	28.8	24.8	27.8	3314	2870	3176
14	28.6	25.6	29.4	3279	2955	3359
15	28.7	27.9	38.6	3293	3208	4346
16	28.9	29.8	34.8	3306	3404	3860
17	28.7	29.4	23.8	3277	3337	2660
18	28.8	28.9	22.6	3296	3270	2545
19	29.0	29.1	26.4	3316	3277	2994
20	29.3	29.9	33.4	3339	3357	3733
21	29.1	29.1	24.4	3312	3266	2727
22	28.7	26.9	22.8	3264	3009	2548
23	28.7	26.1	29.6	3268	2931	3308
24	28.9	27.5	33.2	3289	3093	3793
25	29.2	28.9	32.4	3322	3254	3675
26	29.5	30.0	34.0	3352	3381	3885
27	29.4	29.4	29.6	3347	3324	3333
28	29.5	30.6	32.7	3351	3460	3682
29	29.7	32.1	33.0	3376	3635	3771
30	29.6	31.7	27.0	3368	3603	3085
31	29.1	30.8	26.8	3309	3512	3152
Average	30.1	29.4	29.5	3439	3349	3361
Maximum	35.2	34.3	43.2	4031	3891	4936
Minimum	28.6	24.2	21.6	3264	2809	2486
Std. Deviation	1.71	2.81	5.79	204	313	660

Discharger: Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO107981

Order No. 99-72

Report For: July 2004

Report Due: August 30, 2004

Signed Under Penalty of Perjury:

Vasane Updegraff

Parameter	HARRF Influent mg/l	HARRF Effluent mg/l	TSS		HARRF Influent mg/l	HARRF Effluent mg/l	CBOD	
			Daily TSS % Removal %	30 Day Ave. % Removal %			Daily CBOD % Removal %	30 Day Ave. % Removal %
1-Jul-04	473	43.2	90.9%	90.4%	311	34.8	88.8%	84.5%
2	308	41.2	86.6%	90.5%				
3	298	36.2	87.9%	90.8%				
4	422	27.1	93.6%	91.1%	311	41.6	86.6%	84.7%
5	346	36.4	89.5%	91.4%	250	39.1	84.4%	84.7%
6	411	23.6	94.3%	91.6%	279	28.7	89.7%	84.9%
7	428	23.8	94.4%	91.7%	280	26.9	90.4%	85.3%
8	358	22.4	93.7%	91.8%	277	32.2	88.4%	85.6%
9	369	21.6	94.1%	92.0%				
10	285	26.8	90.6%	92.0%				
11	341	26.0	92.4%	92.0%	256	36.4	85.8%	85.7%
12	365	25.4	93.0%	92.1%	300	38.2	87.3%	85.8%
13	366	27.8	92.4%	92.3%	229	33.4	85.4%	86.0%
14	355	29.4	91.7%	92.3%	299	35.2	88.2%	86.1%
15	304	38.6	87.3%	92.2%	328	29.2	91.1%	86.4%
16	305	34.8	88.6%	92.1%	264	32.9	87.5%	86.4%
17	372	23.8	93.6%	92.1%	290	35.3	87.8%	86.5%
18	376	22.6	94.0%	92.0%	228	32.6	85.7%	86.4%
19	320	26.4	91.8%	91.9%	228	37.8	83.4%	86.3%
20	322	33.4	89.6%	91.9%	252	33.3	86.8%	86.4%
21	296	24.4	91.8%	91.8%	261	31.2	88.0%	86.5%
22	316	22.8	92.8%	91.9%	255	29.8	88.3%	86.6%
23	296	29.6	90.0%	91.8%				
24	308	33.2	89.2%	91.7%				
25	308	32.4	89.5%	91.6%	240	38.2	84.1%	86.8%
26	322	34.0	89.4%	91.5%	290	39.4	86.4%	86.8%
27	310	29.6	90.5%	91.4%	303	44.2	85.4%	86.8%
28	345	32.7	90.5%	91.4%	296	44.4	85.0%	87.0%
29	386	33.0	91.5%	91.3%	314	40.2	87.2%	87.1%
30	319	27.0	91.5%	91.2%				
31	299	26.8	91.0%	91.2%				
Average	343	29.5	91.2%	91.7%	276	35.4	87.0%	86.1%

SELF-MONITORING REPORT

AUGUST 2004

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

NPDES Permit No. CA0107981

Order No. 99-72

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Glen Peterson
Interim Utilities Manager

ESCONDIDO
WATER QUALITY
CONTROL BOARD

2004 SEP 23 P 1:04

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

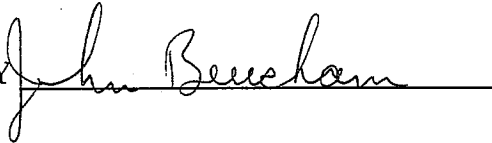
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 99-72

REPORT FOR AUGUST 2004 REPORT DUE SEPTEMBER 2004

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

CBOD (Carbonaceous Biochemical Oxygen Demand) Concentration and Mass loading limits were exceeding during August 2004. These violations are summarized:

CBOD Concentration Limits Violations: The Monthly Average Limits of 25 mg/l was exceeded on August 1-17 (13 of 23 values).

CBOD Mass Loading Limit Violations: The Monthly Average Limit of 3400 lbs/day was exceeded on August 1-11 (9 of 23 values).

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

Actions taken during August 2004 were normal operational adjustments to the treatment process and checking calibration and adjusting of monitoring instrumentation.

As of the date of August 18, 2004, Quality of effluent discharge from the HARRF is excellent, and is full compliance with NPDES Permit Discharge Limits.

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery FacilityORDER/RESOLUTION No.99-72REPORT FREQUENCY MONTHLYREPORT FOR : August 2004REPORT DUE : September 2004EXACT SAMPLE POINT: Effluent Sampling StationSAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Updapt

NOTE: Standard Methods Procedure 507 Oxygen Demand (Biochemical), 5e6 for nitrification inhibition used to determine BOD.

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (Daily 24 hr. Comp.)

DATE	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Reqd.	25	40	45	3400	5500	6200
8/1/2004	35.2	39.4	28.9	3993	4499	3423
2	34.9	37.1	27.8	3962	4247	3246
3	34.4	34.1	29.2	3918	3924	3361
4	34.0	31.5	31.6	3878	3647	3611
5	33.9	28.8	26.4	3865	3331	3016
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	33.6	26.3	16.3	3819	3027	1903
9	32.6	23.0	11.6	3716	2651	1364
10	31.7	19.7	12.7	3604	2282	1515
11	30.5	15.5	10.4	3471	1811	1258
12	29.4	11.8	8.2	3354	1407	995
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	28.0	9.7	5.5	3191	1161	674
16	26.6	8.5	5.6	3043	1027	691
17	25.3	6.8	4.3	2900	828	524
18	23.8	5.6	4.5	2730	686	544
19	22.4	4.6	3.3	2579	566	396
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	20.9	4.7	5.6	2411	571	701
23	20.1	4.5	4.7	2329	556	615
24	18.6	4.4	3.8	2154	547	479
25	17.0	4.5	5.1	1977	560	608
26	15.2	4.8	4.7	1776	591	553
27	-	-	-	-	-	-
28	-	-	-	-	-	-
29	12.2	4.7	5.0	1433	574	613
30	11.8	4.7	4.8	1394	567	580
31	10.7	5.0	5.2	1266	593	611
Average	25.3	14.8	11.5	2903	1724	1360
Maximum	35.2	39.4	31.6	3993	4499	3611
Minimum	10.7	4.4	5.4	1266	547	396
Std. Deviation	8.19	12.30	9.86	913	1396	1128

* QC standard check of BOD. is out of range.

MONDAY TO FRIDAY

MONTHLY EFFLUENT MONITORING REPORT - NPDES No. CA0107981

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 99-72

REPORT FREQUENCY MONTHLY

REPORT FOR : August 2004

REPORT DUE : September 2004

EXACT SAMPLE POINT: Effluent Sampling Station

SAMPLE COLLECTED BY Auto sampler SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Updnt

TOTAL SUSPENDED SOLID (DAILY 24 HR . COMPOSITE)						
Date	Concentration			Mass Loading		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum
Units	mg/l	mg/l	mg/l	lbs/day	lbs/day	lbs/day
Reqt.	30	45	50	4100	6200	6900
8/1/2004	28.5	29.7	24.8	3250	3406	2937
2	28.3	28.9	28.4	3222	3325	3316
3	28.5	29.3	32.4	3251	3382	3729
4	28.5	29.8	36.2	3247	3446	4136
5	28.8	29.8	32.8	3280	3443	3748
6	28.7	29.0	21.8	3271	3358	2491
7	28.6	28.2	20.8	3266	3255	2429
8	28.6	27.5	20.0	3261	3169	2335
9	28.3	26.0	18.0	3228	2998	2117
10	28.1	24.1	18.8	3202	2785	2242
11	27.9	21.7	19.4	3182	2530	2346
12	27.5	19.2	15.8	3140	2269	1924
13	26.9	17.7	11.2	3073	2107	1354
14	25.9	16.0	8.6	2964	1910	1054
15	24.9	13.8	4.8	2855	1661	588
16	24.2	11.9	4.4	2784	1436	543
17	23.6	9.9	5.2	2720	1206	633
18	22.9	7.8	4.3	2638	945	520
19	21.9	6.1	4.2	2530	743	504
20	21.3	5.1	4.5	2458	627	548
21	20.6	4.5	4.4	2391	554	543
22	19.9	4.7	6.0	2305	577	751
23	19.0	5.3	8.2	2215	653	1074
24	18.1	5.3	5.2	2114	656	655
25	17.2	5.7	7.1	2013	703	847
26	16.4	5.9	5.7	1924	727	670
27	15.5	6.1	5.8	1824	745	677
28	14.6	6.2	5.4	1720	762	658
29	13.9	6.1	5.6	1640	752	687
30	13.2	5.9	6.3	1561	708	762
31	12.5	5.8	4.4	1480	688	517
Average	23.0	15.6	12.9	2645	1791	1527
Maximum	28.8	29.8	36.2	3280	3446	4136
Minimum	12.5	4.5	4.2	1480	554	504
Std. Deviation	5.55	10.16	10.01	611	1154	1145

Discharger: Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO107981

Order No. 99-72

Report For: August 2004

Report Due: September 30, 2004

Signed Under Penalty of Perjury:

Vas - h/pt

Parameter	HARRF		TSS		HARRF		CBOD	
	Influent mg/l	Effluent mg/l	Daily TSS % Removal %	30 Day Ave. % Removal %	Influent mg/l	Effluent mg/l	Daily CBOD % Removal %	30 Day Ave. % Removal %
1-Aug-04	283	24.8	91.2%	91.4%	219	28.9	86.8%	86.9%
2	325	28.4	91.3%	91.5%	272	27.8	89.8%	87.1%
3	350	32.4	90.7%	91.4%	293	29.2	90.0%	87.2%
4	327	36.2	88.9%	91.4%	234	31.6	86.5%	87.3%
5	302	32.8	89.1%	91.2%	228	26.4	88.4%	87.2%
6	274	21.8	92.0%	91.1%				
7	283	20.8	92.7%	91.1%				
8	306	20.0	93.5%	91.1%	278	16.3	94.1%	87.4%
9	288	18.0	93.8%	91.2%	259	11.6	95.5%	87.7%
10	307	18.8	93.9%	91.2%	264	12.7	95.2%	88.1%
11	309	19.4	93.7%	91.2%	267	10.4	96.1%	88.5%
12	289	15.8	94.5%	91.3%	275	8.2	97.0%	88.9%
13	260	11.2	95.7%	91.5%				
14	298	8.6	97.1%	91.8%				
15	282	4.8	98.3%	92.1%	288	5.5	98.1%	89.4%
16	282	4.4	98.4%	92.3%	256	5.6	97.8%	89.8%
17	296	5.2	98.2%	92.4%	235	4.3	98.2%	90.4%
18	354	4.3	98.8%	92.6%	228	4.5	98.0%	91.0%
19	294	4.2	98.6%	92.9%	225	3.3	98.5%	91.6%
20	295	4.5	98.5%	93.2%				
21	272	4.4	98.4%	93.3%				
22	290	6.0	97.9%	93.6%	248	5.6	97.7%	92.2%
23	300	8.2	97.3%	93.9%	230	4.7	98.0%	92.5%
24	313	5.2	98.3%	94.2%	197	3.8	98.1%	93.1%
25	315	7.1	97.7%	94.5%	226	5.1	97.7%	93.6%
26	318	5.7	98.2%	94.7%	256	4.7	98.2%	94.2%
27	283	5.8	98.0%	95.0%				
28	268	5.4	98.0%	95.2%				
29	292	5.6	98.1%	95.4%	248	5.0	98.0%	95.1%
30	313	6.3	98.0%	95.6%	221	4.8	97.8%	95.3%
31	284	4.4	98.5%	95.9%	259	5.2	98.0%	95.8%
Average	298	12.9	95.7%	92.7%	248	11.5	95.4%	90.4%